Author Index

Abadeh, S., Killacky, J., Benboubetra, M. and Harrison, R.
Purification and partial characterization of xanthine oxidase from human milk (1117) 25
Alamillo, J.M., see Pérez-Vicente, R. (1117) 159
Altman, E., Brisson, J.-R., Gagné, S.M., Kolbe, J., Messner, P. and Sleytr, U.B.
Structure of the glycan chain from the surface layer glycoprotein of *Clostridium thermohydrosulfuricum* L77-66 (1117) 71
Ando, S., see Kotani, M. (1117) 97
Angelov, I.V., see Mitev, V.I. (1117) 90
Arai, M., Yada, T., Suzuki, S. and Kimata, K.
Isolation and characterization of type IX collagen-proteoglycan from the Swarm rat chondrosarcoma (1117) 60
Arisawa, M., see Tomoda, A. (1117) 306
Arrigoni-Martelli, E., see Battelli, D. (1117) 33

Babu, C.R., see Kalsi, G. (1117) 114
Bachhawat, B.K., see Mumtaz, S. (1117) 174
Baker, M.S., Liang, X.-M. and Doe, W.F.
Occupancy of the cancer cell urokinase receptor (uPAR): Effects of acid elution and exogenous uPA on cell surface urokinase (uPA) (1117) 143
Balvers, W.G., Boersma, M.G., Veeger, C. and Rietjens, I.M.C.M.
Differential cumene hydroperoxide sensitivity of cytochrome *P*-450 enzymes IA1 and IIB1 determined by their way of membrane incorporation (1117) 179
Barsanti, L., see Gualtieri, P. (1117) 55
Battelli, D., Bellei, M., Arrigoni-Martelli, E., Muscatello, U. and Bobyleva, V.
Interaction of carnitine with mitochondrial cardiolipin (1117) 33
Bellei, M., see Battelli, D. (1117) 33
Bellis, S.L., see Grosvenor, W. (1117) 120
Benboubetra, M., see Abadeh, S. (1117) 25
Berger, L., see Bos, R. (1117) 188
Bessoule, J.-J., Creach, A., Lessire, R. and Cassagne, C.
Evaluation of the amount of acyl-CoA elongases in leek (*Allium porrum* L) leaves (1117) 78
Bharathi, L., see Shetty, S. (1117) 193
Blusztajn, J.K., see Zhang, J. (1117) 333
Bobyleva, V., see Battelli, D. (1117) 33
Boersma, M.G., see Balvers, W.G. (1117) 179
Bos, R., Berger, L. and Nieuwenhuizen, W.
One-step purification of tissue-type plasminogen activator using affinity chromatography with a special monoclonal antibody under mild conditions (1117) 188
Brisson, J.-R., see Altman, E. (1117) 71
Bubb, W.A., see Urashima, T. (1117) 223
Budzikiewicz, H., see Scherer, O.W. (1117) 42

Cárdenas, J., see Pérez-Vicente, R. (1117) 159
Cassagne, C., see Bessoule, J.-J. (1117) 78
Cederbaum, A.I., see Winters, D.K. (1117) 15
Cheema, S.K., Venkatraman, J. and Clandinin, M.T.
Insulin binding to liver nuclei from lean and obese mice is altered by dietary fat (1117) 37
Chernikevich, I.P., see Makarchikov, A.F. (1117) 326
Chin, L.-K., see Wu, A.M. (1117) 232
Clandinin, M.T., see Cheema, S.K. (1117) 37
Creach, A., see Bessoule, J.-J. (1117) 78
Crommelin, D.J.A., see Heeremans, J.L.M. (1117) 258

Dahl, T.A., see Midden, W.R. (1117) 216
Das, H.R., see Kalsi, G. (1117) 114
Das, R.H., see Kalsi, G. (1117) 114
Deev, A.A., see Khusainov, A.A. (1117) 237
Di Stefano, A., Pizzichini, M., Leoncini, R., Vannoni, D., Pagani, R. and Marinello, E.
Quantitative separation of uric acid and allantoin from rat liver tissue (1117) 1
Doe, W.F., see Baker, M.S. (1117) 143

Egge, H., see Scherer, O.W. (1117) 42
Erukhimov, J., see Osawa, M. (1117) 271

Feather, M.S., see Slight, S.H. (1117) 199
Ferns, S.A., see Warburton, M.J. (1117) 291
Franz, H., see Wu, A.M. (1117) 232
Funasaki, N., see Neya, S. (1117) 243

Gaffney, D.K. and Sieber, F.
The role of serum and serum components in the merocyanine 540-sensitized photoinactivation of K562 leukemia cells (1117) 321
Gagné, S.M., see Altman, E. (1117) 71
Galbraith, R.M., see Osawa, M. (1117) 271
Grimaud, J.-A., see Lortat-Jacob, H. (1117) 126
Grosvenor, W., Bellis, S.L., Kass-Simon, G. and Rhoads, D.E.
Chemoreception in hydra: specific binding of glutathione to a membrane fraction (1117) 120
Gualtieri, P., Pelosi, P., Passarelli, V. and Barsanti, L.
Identification of a rhodopsin photoreceptor in *Euglena gracilis* (1117) 55
Guengerich, F.P., see Kitada, M. (1117) 301

Haas, H., Herfurth, E., Stöffler, G. and Redl, B.
Purification, characterization and partial amino acid sequences of a xylanase produced by *Penicillium chrysogenum* (1117) 279
Hamashima, H., see Tomoda, A. (1117) 306
Hanai, K., see Ohta, K. (1117) 136
Harrison, R., see Abadeh, S. (1117) 25
Hartmann, R., see Scherer, O.W. (1117) 42
Hayman, A.R., see Warburton, M.J. (1117) 291
Heeremans, J.L.M., Kraaijenga, J.J., Los, P., Kluft, C. and Crommelin, D.J.A.
Development of a procedure for coupling the homing device glu-plasminogen to liposomes (1117) 258
Hegde, S.N., see Shetty, S. (1117) 193
Herfurth, E., see Haas, H. (1117) 279
Herp, A., see Wu, A.M. (1117) 232
Hirai, R., see Isoe, T. (1117) 131

Inaba, H., see Watanabe, H. (1117) 107
Inubushi, T., see Morikawa, S. (1117) 251

Isoe, T., Naito, M., Shirai, A., Hirai, R. and Tsuruo, T.
Inhibition of different steps of the ubiquitin system by cisplatin and aclarubicin (1117) 131
Itahashi, K., see Kitada, M. (1117) 301
Ivanitsky, G.R., see Khusainov, A.A. (1117) 237

Kagawa, Y., see Nishi, N. (1117) 47
Kalsi, G., Das, H.R., Babu, C.R. and Das, R.H.
Isolation and characterization of a lectin from peanut roots (1117) 114
Kamataki, T., see Kitada, M. (1117) 301
Kanakubo, Y., see Kitada, M. (1117) 301
Kass-Simon, G., see Grosvenor, W. (1117) 120
Kato, T., see Kitada, M. (1117) 301
Kawashima, I., see Kotani, M. (1117) 97
Kelly, F.J., see McElroy, M.C. (1117) 153
Khusainov, A.A., Deev, A.A. and Ivanitsky, G.R.
The structural and functional organization of the baseplate distal part of T4 bacteriophage (1117) 237
Kido, C., see Morikawa, S. (1117) 251
Kikuchi, T., see Tomoda, A. (1117) 306
Killacky, J., see Abadeh, S. (1117) 25
Kimata, K., see Arai, M. (1117) 60
Kimbell, R., see Warburton, M.J. (1117) 291
Kitada, M., Kato, T., Ohmori, S., Kamataki, T., Itahashi, K., Guengerich, F.P., Rikihisa, T. and Kanakubo, Y.
Immunochemical characterization and toxicological significance of P-450HFLb purified from human fetal livers (1117) 301
Kitoh, K., see Morikawa, S. (1117) 251
Klein, R.A., see Scherer, O.W. (1117) 42
Kluft, C., see Heeremans, J.L.M. (1117) 258
Kobayashi, M., see Watanabe, H. (1117) 107
Koike, A., see Tsuji, Y. (1117) 167
Kolbe, J., see Altman, E. (1117) 71
Koshimura, S., see Tomoda, A. (1117) 306
Kotani, M., Ozawa, H., Kawashima, I., Ando, S. and Tai, T.
Generation of one set of monoclonal antibodies specific for a-pathway ganglio-series gangliosides (1117) 97
Kraaijenga, J.J., see Heeremans, J.L.M. (1117) 258

Leoncini, R., see Di Stefano, A. (1117) 1
Lessire, R., see Bessoule, J.-J. (1117) 78
Liang, X.-M., see Baker, M.S. (1117) 143
Lortat-Jacob, H. and Grimaud, J.-A.
Binding of interferon-gamma to heparan sulfate is restricted to the heparin-like domains and involves carboxylic – but not *N*-sulfated – groups (1117) 126
Los, P., see Heeremans, J.L.M. (1117) 258

Makarchikov, A.F. and Chernikevich, I.P.
Purification and characterization of thiamine triphosphatase from bovine brain (1117) 326
Marekov, L.N., see Mitev, V.I. (1117) 90
Marinello, E., see Di Stefano, A. (1117) 1
McElroy, M.C., Postle, A.D. and Kelly, F.J.
Catalase, superoxide dismutase and glutathione peroxidase activities of lung and liver during human development (1117) 153
Messer, M., see Urashima, T. (1117) 223
Messner, P., see Altman, E. (1117) 71
Midden, W.R. and Dahl, T.A.
Biological inactivation by singlet oxygen: distinguishing $O_2(^1\Delta_g)$ and $O_2(^1\Sigma_g^+)$ (1117) 216
Mitev, V.I., Angelov, I.V. and Marekov, L.N.
Identification and purification of a novel serine/threonine messenger-independent growth-related protein kinase from lactating goat mammary gland (1117) 90
Miyanaka, H., see Nishi, N. (1117) 47
Monaghan, P., see Warburton, M.J. (1117) 291
Moore, G.J., see Turner, R.J. (1117) 265
Morikawa, S., Inubushi, T., Kitoh, K., Kido, C. and Nozaki, M.
Chemical assessment of phospholipid and phosphoenergetic metabolites in regenerating rat liver measured by in vivo and in vitro ^{31}P-NMR (1117) 251
Morita, H., see Ohta, K. (1117) 136
Mumtaz, S. and Bachhawat, B.K.
Enhanced intracellular stability of dextran-horse radish peroxidase conjugate: an approach to enzyme replacement therapy (1117) 174
Murakami, M., Takada, K. and Muranishi, S.
Further mechanistic study on intestinal absorption enhanced by unsaturated fatty acids: reversible effect by sulfhydryl modification (1117) 83
Muranishi, S., see Murakami, M. (1117) 83
Muscatello, U., see Battelli, D. (1117) 33

Nagoshi, T., see Watanabe, H. (1117) 107
Naito, M., see Isoe, T. (1117) 131
Nakamura, M., see Neya, S. (1117) 243
Neya, S., Funasaki, N. and Nakamura, M.
Dynamic analysis of efficient heme rotation in myoglobin by NMR spectroscopy (1117) 243
Nieuwenhuizen, W., see Bos, R. (1117) 188
Nishi, N., Kagawa, Y., Miyanaka, H., Oya, H. and Wada, F.
An anti-probasin monoclonal antibody recognizes a novel 40-kDa protein localized in rat liver and a specific region of kidney urinary tubule (1117) 47
Nozaki, M., see Morikawa, S. (1117) 251

Ohmori, S., see Kitada, M. (1117) 301
Ohta, K., Hanai, K. and Morita, H.
Glutathione-binding proteins identified by monoclonal antibodies which depress the behavioral response evoked by glutathione in Hydra (1117) 136
Ortwerth, B.J., Slight, S.H., Prabhakaram, M., Sun, Y. and Smith, J.B.
Site-specific glycation of lens crystallins by ascorbic acid (1117) 207
Ortwerth, B.J., see Slight, S.H. (1117) 199
Osawa, M., Sabbatini, A.R.M., Erukhimov, J., Werner, P.A.M. and Galbraith, R.M.
Binding of a monoclonal antibody E12 to Gc globulin (vitamin D-binding protein) is inhibited by actin (1117) 271
Oya, H., see Nishi, N. (1117) 47
Ozawa, H., see Kotani, M. (1117) 97

Pagani, R., see Di Stefano, A. (1117) 1
Passarelli, V., see Gualtieri, P. (1117) 55
Pelosi, P., see Gualtieri, P. (1117) 55
Pérez-Vicente, R., Alamillo, J.M., Cárdenas, J. and Pineda, M.
Purification and substrate inactivation of xanthine dehydrogenase from *Chlamydomonas reinhardtii* (1117) 159
Perusinghe, N., see Warburton, M.J. (1117) 291
Pfüller, U., see Wu, A.M. (1117) 232
Pineda, M., see Pérez-Vicente, R. (1117) 159
Pizzichini, M., see Di Stefano, A. (1117) 1
Postle, A.D., see McElroy, M.C. (1117) 153
Prabhakaram, M., see Ortwerth, B.J. (1117) 207
Prabhakaram, M., see Slight, S.H. (1117) 199

Rao, P.V. and Zigler, Jr., J.S.
Purification and characterization of ζ-crystallin/quinone reductase from guinea pig liver (1117) 315
Rapp, P.
Formation, separation and characterization of three β-1,3-glucanases from *Sclerotium glucanicum* (1117) 7

Redl, B., see Haas, H. (1117) 279
Rhoads, D.E., see Grosvenor, W. (1117) 120
Rietjens, I.M.C.M., see Balvers, W.G. (1117) 179
Rikihisa, T., see Kitada, M. (1117) 301

Sabbatini, A.R.M., see Osawa, M. (1117) 271
Scherer, O.W., Budzikiewicz, H., Hartmann, R., Klein, R.A. and Egge, H.
The structural elucidation of the two positional isomers of a mono-glucopyranosyl mono-acyl glycerol derivative from *Cystobacter fuscus* (Myxobacterales) (1117) 42
Shetty, S., Hegde, S.N. and Bharathi, L.
Purification of a growth factor from pigeon milk (1117) 193
Shin, D.B., see Slight, S.H. (1117) 199
Shirai, A., see Isoe, T. (1117) 131
Sieber, F., see Gaffney, D.K. (1117) 321
Sleytr, U.B., see Altman, E. (1117) 71
Slight, S.H., Prabhakaram, M., Shin, D.B., Feather, M.S. and Ortwerth, B.J.
The extent of N^{ϵ}-(carboxymethyl)lysine formation in lens proteins and polylysine by the autoxidation products of ascorbic acid (1117) 199
Slight, S.H., see Ortwerth, B.J. (1117) 207
Smith, J.B., see Ortwerth, B.J. (1117) 207
Stöffler, G., see Haas, H. (1117) 279
Sun, Y., see Ortwerth, B.J. (1117) 207
Suzuki, S., see Arai, M. (1117) 60
Suzuki, S., see Watanabe, H. (1117) 107

Tai, T., see Kotani, M. (1117) 97
Takada, K., see Murakami, M. (1117) 83
Tezuka, Y., see Tomoda, A. (1117) 306
Tochikura, T., see Tsuji, Y. (1117) 167
Tomoda, A., Hamashima, H., Arisawa, M., Kikuchi, T., Tezuka, Y. and Koshimura, S.
Phenoxazinone synthesis by human hemoglobin (1117) 306
Tsuji, Y., Koike, A., Yamamoto, K. and Tochikura, T.
Purification and some properties of L-fucose dehydrogenase from *Agrobacterium radiobacter* and its application to the assay of bound-fucose in glycoconjugates (1117) 167
Tsuruo, T., see Isoe, T. (1117) 131
Turner, R.J. and Moore, G.J.
Long-lived fluorescence lifetime from tyrosine in a peptide derived from S-100b (1117) 265

Urashima, T., Messer, M. and Bubb, W.A.
Biosynthesis of marsupial milk oligosaccharides II: characterization of a β^6-*N*-acetylglucosaminyltransferase in lactating mammary glands of the tammar wallaby, *Macropus eugenii* (1117) 223
Usa, M., see Watanabe, H. (1117) 107

Vannoni, D., see Di Stefano, A. (1117) 1
Veeger, C., see Balvers, W.G. (1117) 179
Venkatraman, J., see Cheema, S.K. (1117) 37

Wada, F., see Nishi, N. (1117) 47
Warburton, M.J., Kimbell, R., Ferns, S.A., Hayman, A.R., Perusinghe, N. and Monaghan, P.
Characterisation of chondroitin/dermatan sulphate proteoglycans synthesised by rat mammary myoepithelial and fibroblastic cell lines (1117) 291
Watanabe, H., Nagoshi, T., Suzuki, S., Kobayashi, M., Usa, M. and Inaba, H.
Chemiluminescence in the crude extracts of soybean seedlings. Postulated mechanism on the formation of hydroperoxide intermediates (1117) 107
Werner, P.A.M., see Osawa, M. (1117) 271
Winkler, B.S.
Unequivocal evidence in support of the nonenzymatic redox coupling between glutathione/glutathione disulfide and ascorbic acid/dehydroascorbic acid (1117) 287
Winters, D.K. and Cederbaum, A.I.
Time course characterization of the induction of cytochrome *P*-450 2E1 by pyrazole and 4-methylpyrazole (1117) 15
Wu, A.M., Chin, L.-K., Franz, H., Pfüller, U. and Herp, A.
Carbohydrate specificity of the receptor sites of mistletoe toxic lectin-I (1117) 232

Yada, T., see Arai, M. (1117) 60
Yamamoto, K., see Tsuji, Y. (1117) 167

Zeisel, S.H., see Zhang, J. (1117) 333
Zhang, J., Blusztajn, J.K. and Zeisel, S.H.
Measurement of the formation of betaine aldehyde and betaine in rat liver mitochondria by an high pressure liquid chromatography-radioenzymatic assay (1117) 333
Zigler, Jr., J.S., see Rao, P.V. (1117) 315